Supplemental Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this Supplemental examiner's amendment was given in a telephone interview with **Attorney Sid Bennett Reg. No. 53,981** on **April 8th 2008** along with authorization to charge any necessary fees to applicant's deposit account.

3. The application has been amended as follows:

A) Replace claim 13 of the **October 23rd 2007 amendment and response** with the following **Examiner amended claim 13**:

Claim 13 ---A ***gradient*** amplifier ***of a gradient coil within a Magnetic Resonance Imaging system,*** comprising:

an output stage adapted to connect to an electrical energy source;

a compensation device adapted to connect to the electrical energy source and to measure a first parameter value and to output at least one compensation signal; ~~and~~

a control device,

wherein the control device accepts at least one compensation signal as an input, and controls the output stage by a control signal output; and

wherein the output stage of the ***gradient*** amplifier permits supply-voltage-dependent, output-current-regulated amplification ~~that employable in a~~ **by *the*** gradient amplifier of ~~a~~ ***the Magnetic Resonance Imaging system*** gradient coil **within the** ~~in a~~ magnetic resonance system. ---

B) Replace claim 20 of the **October 23rd 2007 amendment and response** with the following **Examiner amended claim 20**:

Claim 20 **---** A magnetic resonance system having ~~an~~ **a *gradient*** amplifier ***and a gradient coil***, comprising:

an output stage adapted to connect to an electrical energy source;

a compensation device adapted to connect to the electrical energy source and to measure a first parameter value and to output at least one compensation signal; ~~and~~

a control device, wherein the control device accepts at least one compensation signal as an input, and controls the output stage by a control signal output; and

wherein the output stage of the ***gradient*** amplifier permits supply-voltage-dependent, output-current-regulated amplification ~~employable in a~~ ***by the*** gradient amplifier of ~~a~~ ***the*** gradient coil in the magnetic resonance system. **---**

C) Replace Claim 21 of the **October 23rd 2007 amendment and response** with the following **Examiner amended claim 21**:

Claim 21 **---** A method ~~for~~ **of** controlling ~~an~~ **a *gradient*** amplifier ***of a gradient coil within a Magnetic Resonance system,*** having an output stage which is supplied by an electrical energy source, the method comprising:

ascertaining a first parameter value of the energy source;

generating a compensation signal as a function of the first parameter value; ~~and~~

generating a control signal as a function of the compensation signal, wherein the output stage generates an output signal as a function of the control signal; and

wherein the method of controlling the output stage of the **gradient** amplifier permits supply-voltage-dependent, output-current-regulated amplification ~~employable in a~~ **by the** gradient amplifier of **the** ~~a~~ gradient coil in ~~a~~ **the** magnetic resonance system**.**

The following is a **supplemental** examiner's statement of **Reasons for Allowance:**

4. With respect to **Amended independent claims 13, 20,** and **21**: These claims are considered to be allowable over the prior art of record because the prior art of record neither discloses nor suggests a gradient amplifier of a gradient coil within a magnetic resonance system (i.e. **claim 13**) or its corresponding MRI system (i.e. **claim 20**) or its corresponding MRI method (i.e. **claim 21**) where the configuration and the MRI limitations as set forth by applicant also comprise the limitation wherein **the output stage of the gradient amplifier permits supply-voltage-dependent, output-current-regulated amplification by the gradient amplifier of the Magnetic Resonance Imaging system gradient coil within the magnetic resonance system** in combination with each the remaining limitations of each of the claims. It is the entire combination of the claim limitations taken as a whole that constitutes both the novelty and non-obviousness of applicant's claims. The output stages of the prior arts of record fail to permit the feature of **supply-voltage-dependent, output-current-regulated amplification by the gradient amplifier of the Magnetic Resonance Imaging system gradient coil within the magnetic resonance system** The configurations of the prior arts of record fail to provide, or suggest this feature, because in the MRI environment where high gradient switching rates are required, the high required switch rate has hereto fore been believed to inhibit, **the output stage of a gradient amplifier** from **permit**ting **supply-voltage-dependent, output-current-regulated amplification by the gradient amplifier of the Magnetic Resonance Imaging system gradient coil within the magnetic resonance system**. Therefore applicant's claims teach away from what is known in the prior art and the claimed configuration of each of the limitations in

combination constitutes a new, novel, and non-obvious configuration for a gradient amplifier of a gradient coil within a magnetic resonance system (i.e. **claim 13**) or its corresponding MRI system claim, (i.e. **claim 20**) or its corresponding MRI gradient amplification controlling method claim (i.e. **claim 21**)

5. With respect to **dependent claims 14-19,** and **22-26**: These claims are considered to be allowable over the prior art of record because they each depend from an allowable independent claim.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tiffany Fetzner whose telephone number is: (571) 272-2241. The examiner can normally be reached on Monday, Wednesday, and Friday-Thursday from 7:00am to 2:10 pm., and on Tuesday and Thursday from 7:00am to 5:30pm.

8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Diego Gutierrez,** can be reached at (571) 272-2245. The **only official fax phone number** for the organization where this application or proceeding is assigned is **(571) 273-8300**.

9. Information regarding the status of an application may be obtained from the Patent Application information Retrieval (PAIR) system Status information for published applications may be obtained from either Private PMR or Public PMR. Status information for unpublished applications is available through Private PMR only. For more information about the PMR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PMR system contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/TAF/
April 23, 2008

/Diego Gutierrez/
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